

- Successfully execute EOD, reconnaissance and other missions...
- Get real-time intelligence and complete situational awareness...
- Move weapons and other heavy payloads...

Powerful and rugged, the iRobot 710 Warrior is a multi-mission robot that carries heavy payloads, travels over rough terrain and climbs stairs.



iRobot 710 Warrior with EOD manipulator arm

The multi-mission, modular robot with superior power.

Advanced Robot Features

Versatility – Highly configurable, 710 Warrior is designed to meet the demands of dangerous situations, including chemical detection, battlefield casualty extraction and weaponized missions.

Reliability – Suitable for indoor and outdoor use, 710 Warrior maintains mobility on tough terrain, in urban environments and in all weather conditions.

Expandability – 710 Warrior accommodates a wide range of payloads and accessories, enabling multiple missions.

Featuring an advanced digital architecture and a sturdy platform that carries payloads of 150 pounds with full mobility, 710 Warrior performs a variety of critical missions:

Bomb Disposal / EOD (IEDs / VBIEDs / UXO)

Neutralize roadside bombs, car bombs and other IEDs, as well as unexploded ordnance.

SWAT / First Responders / Bomb Squads

Resolve high-risk scenarios safely, including hostage situations, search and rescue and other dangerous incidents.

Surveillance / Reconnaissance

Evaluate danger zones and inaccessible areas, including urban settings, with real-time video and sensor readings.

710 Warrior is highly configurable to meet the demands of real-world situations:

- Explosive Ordnance Disposal
- Route Clearance
- Vehicle-Borne IED
- SWAT
- Reconnaissance
- HazMat
- Battlefield Casualty Extraction
- Chem-Bio Detection
- Building Clearance
- Target Acquisition
- Breaching Missions
- Weaponized Missions



Robot Specifications

Chassis

- Length: 35" (88.9 cm)
- Width:
 - 21.25" (54 cm) with flippers removed
 - 30.25" (76.8 cm) with flippers installed
- Height: 18" (45.7 cm) stowed
- Vehicle Weight: 289 lbs (131.1 kg) with flippers installed
- Battery Weight: 57.5 lbs (26 kg)
- Allocated Payload Weight:
 - In excess of 150 lbs (68 kg)
- Max Speed: 8 mph (12.9 km/h)

Environmental

- Designed to be stored in temperatures from -40°F to 160°F (-40°C to 71°C)
- Designed to operate in temperatures from 14°F to 104°F (-10°C to 40°C)
- Designed to an ingress protection of IP67

Software

iRobot Aware® 2 Commercial Robot Intelligence Software

- Extensible robot and OCU software customize your system with new capabilities
- Third-party payload integration services available

Communications

- Modular approach allows use of any ethernet radio

Wireless Range

- 2624 ft (800 m)

Deployment

- Rapidly deployable from standard vehicle

Navigation

Supports assisted tele-operated behavior:

- Optional obstacle avoidance sensors
- Intelligent payload positioning
- IMU, optional compass, optional GPS

Mobility

Dual track system with articulated flippers for enhanced mobility:

- Extreme mobility in aggressive terrain and urban environments
- Suitable for indoor and outdoor missions
- Vertical Obstacles: 18.5" (47 cm)
- Stair Climbing: 45°
- Slopes: 45°
- Water Ford: 30" (76.2 cm)
- Gap: 24" (61 cm)

Available Payload Ports

2 @ 500W
3 @ 100W

Hardened Electronics

Designed to meet:

MIL-STD-461
MIL-STD-464

Power Source

- 12 BB-2590/U Batteries
- 60 second tool-less battery installation/removal

Maintenance

3-tiered maintenance concept:

- Field maintenance
- Sustainment maintenance
- Depot maintenance



iRobot Corporation
8 Crosby Drive
Bedford, MA 01730
www.irobot.com

Sales Contact
888.776.2687 (Toll Free in USA)
+(1) 781.430.3090 (International customers)
sales@irobot.com

Media Contact
781.430.3182
publicrelations@irobot.com

This literature has been compiled for worldwide circulation. While general information, pictures and descriptions are provided, some illustrations and text may include product options and accessories NOT AVAILABLE in all regions. iRobot reserves the right to change specification, design and price of the products described in this literature without notice. These items are on the USML and require Department of State Export License.